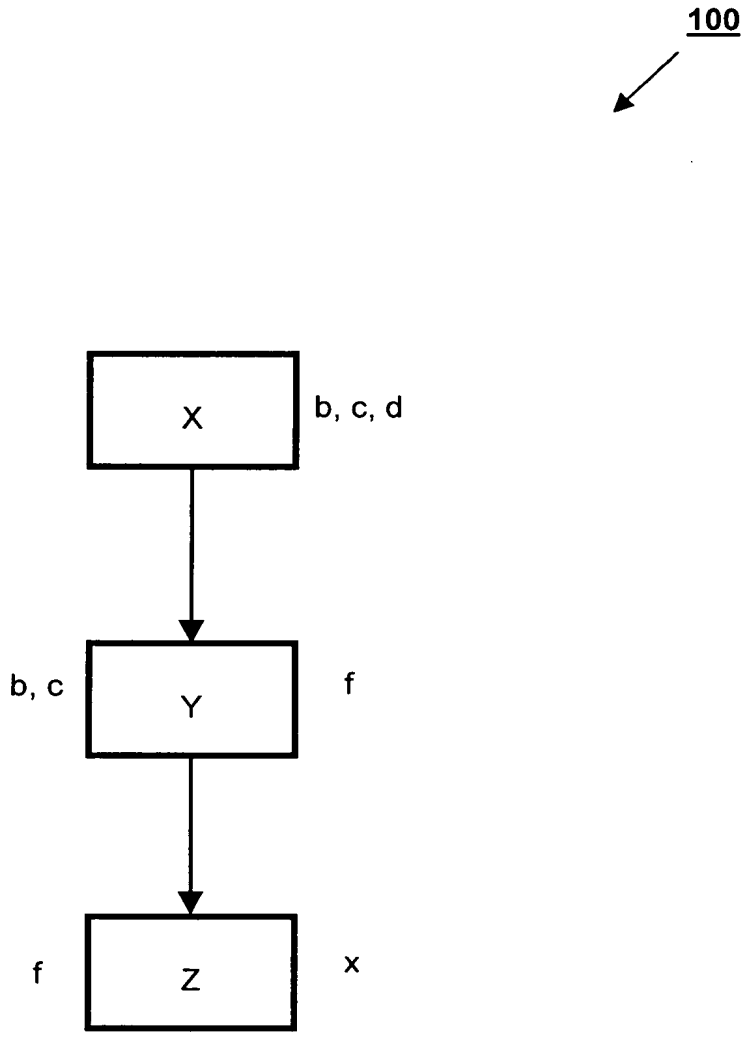


FIG. 1

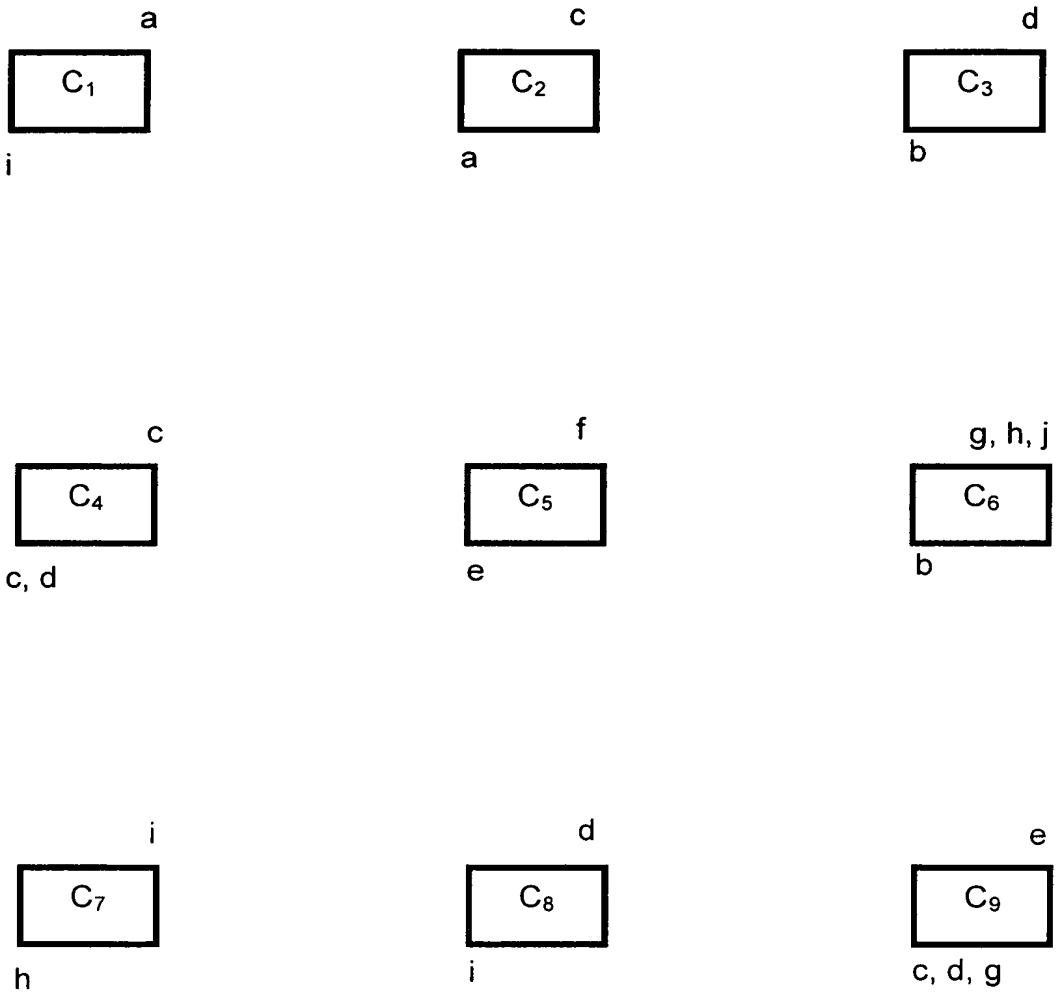
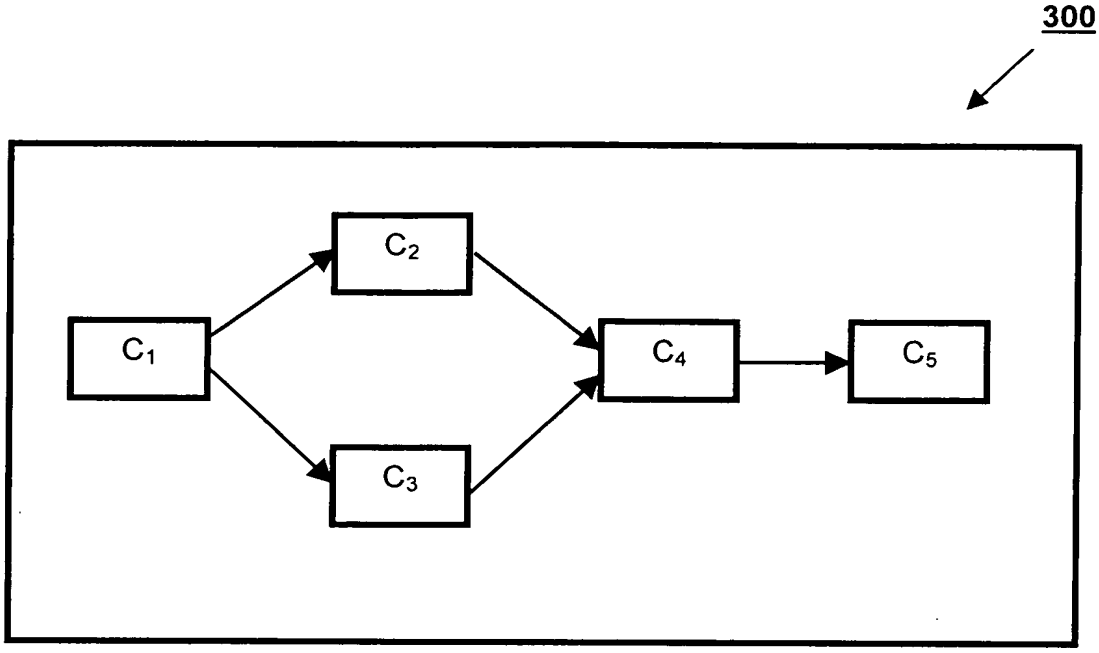
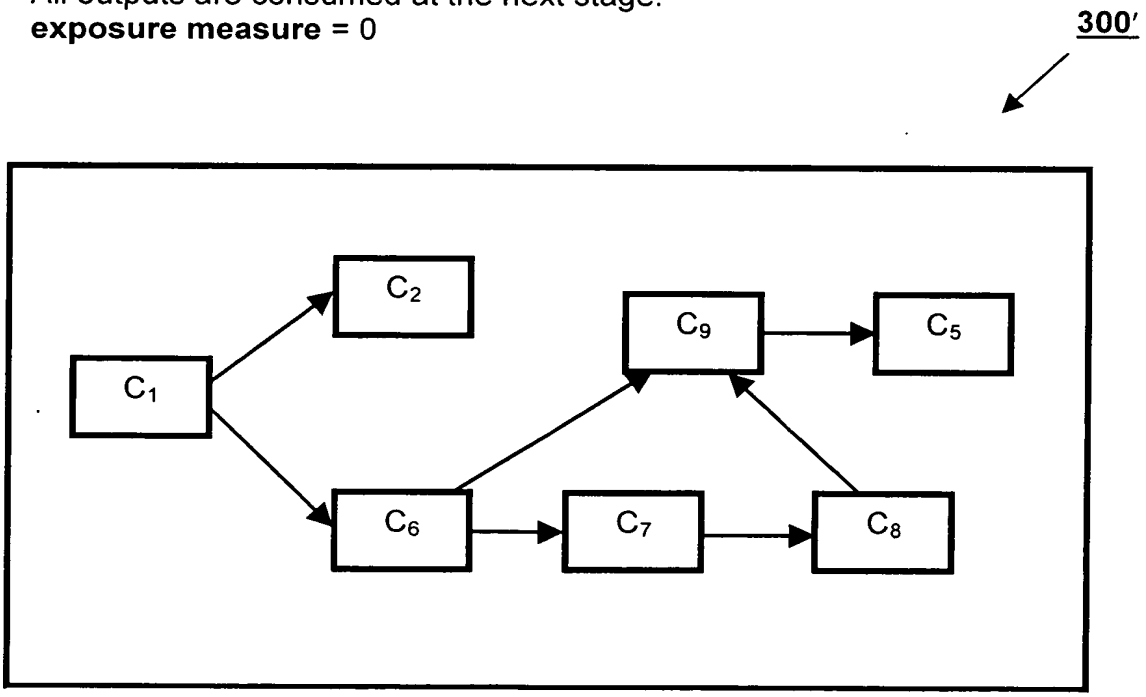


FIG. 2

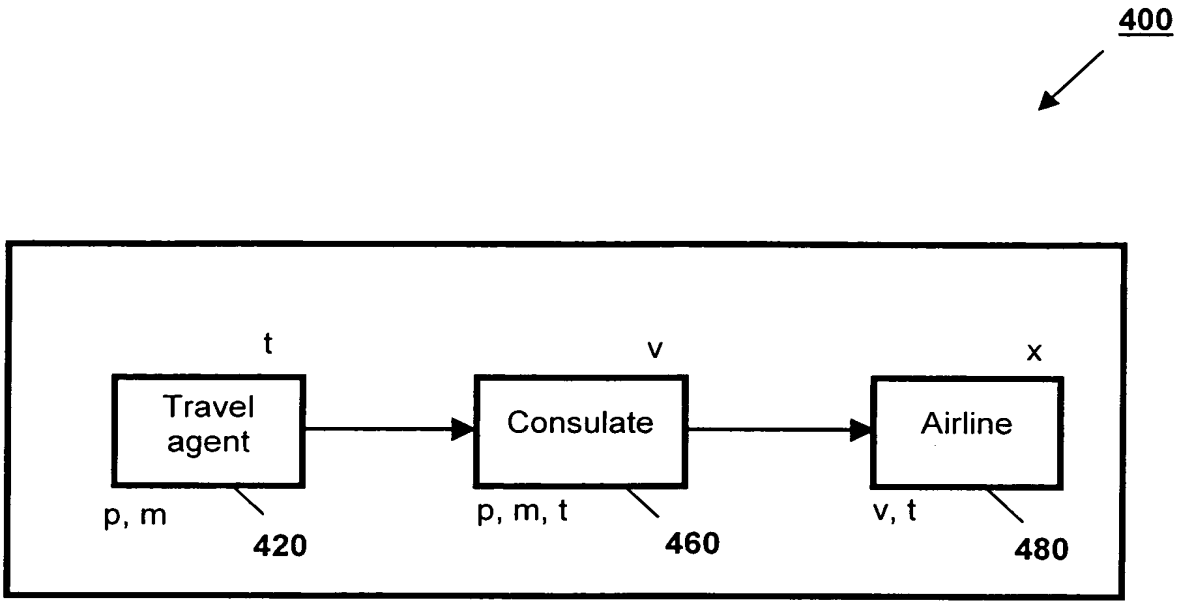


All outputs are consumed at the next stage.
exposure measure = 0

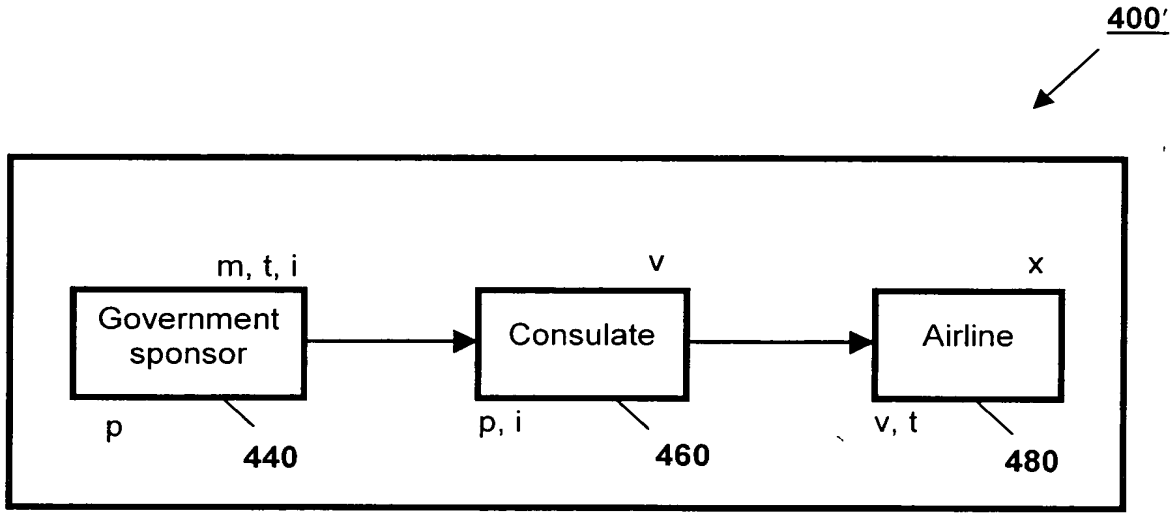


Output "j" from C, is unused for 4 steps, and output "g" from is unused for 3 steps at C_9
exposure measure = $\Sigma e_i \times d_i$ = (1×4 +1 ×3) = **7**

FIG. 3



All outputs are consumed at the next stage.
exposure measure = 0



Output "m" is unused for 2 steps, and output "t" is unused for 1 step.
exposure measure = $\Sigma e_i \times d_i = (1 \times 2 + 1 \times 1) = 3$

FIG. 4

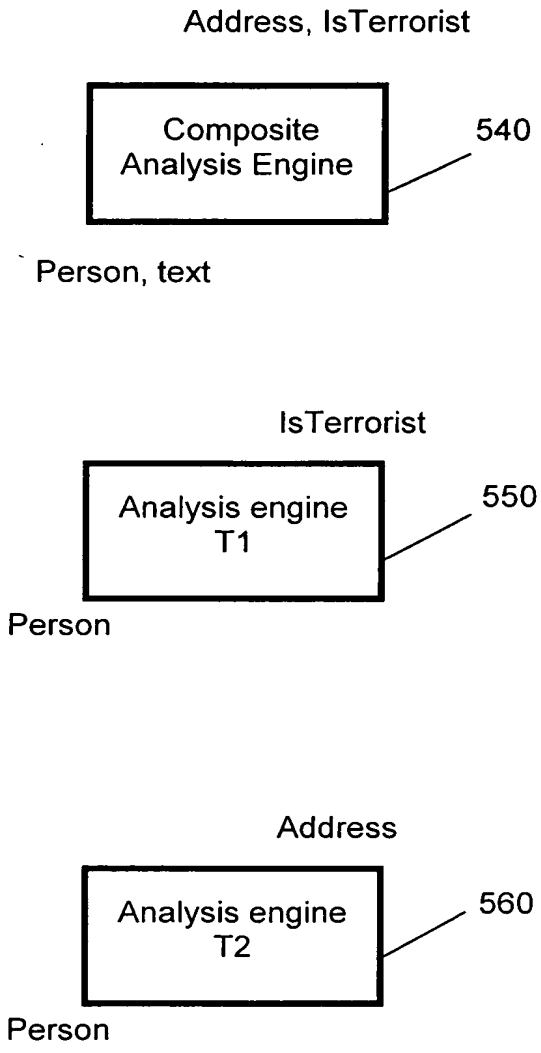

Address, IsTerrorist
Composite Analysis Engine
540
Person, text
IsTerrorist
Analysis engine T1
550
Person
Address
Analysis engine T2
560
Person

FIG. 5

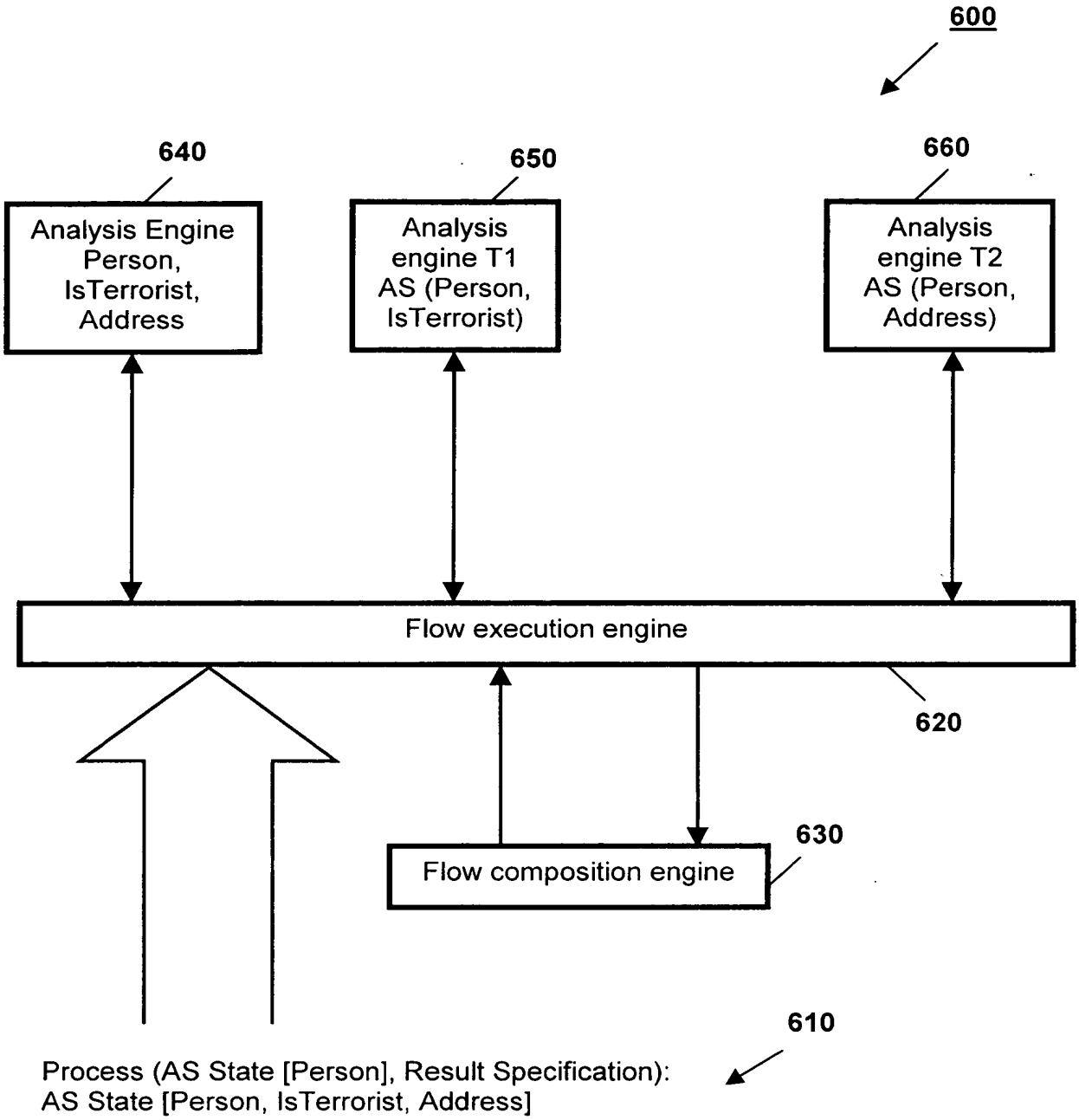

600
640
650
660
Analysis Engine Person, IsTerrorist, Address
Analysis engine T1 AS (Person, IsTerrorist)
Analysis engine T2 AS (Person, Address)
Flow execution engine
620
630
Flow composition engine
610
Process (AS State [Person], Result Specification):
AS State [Person, IsTerrorist, Address]

FIG. 6

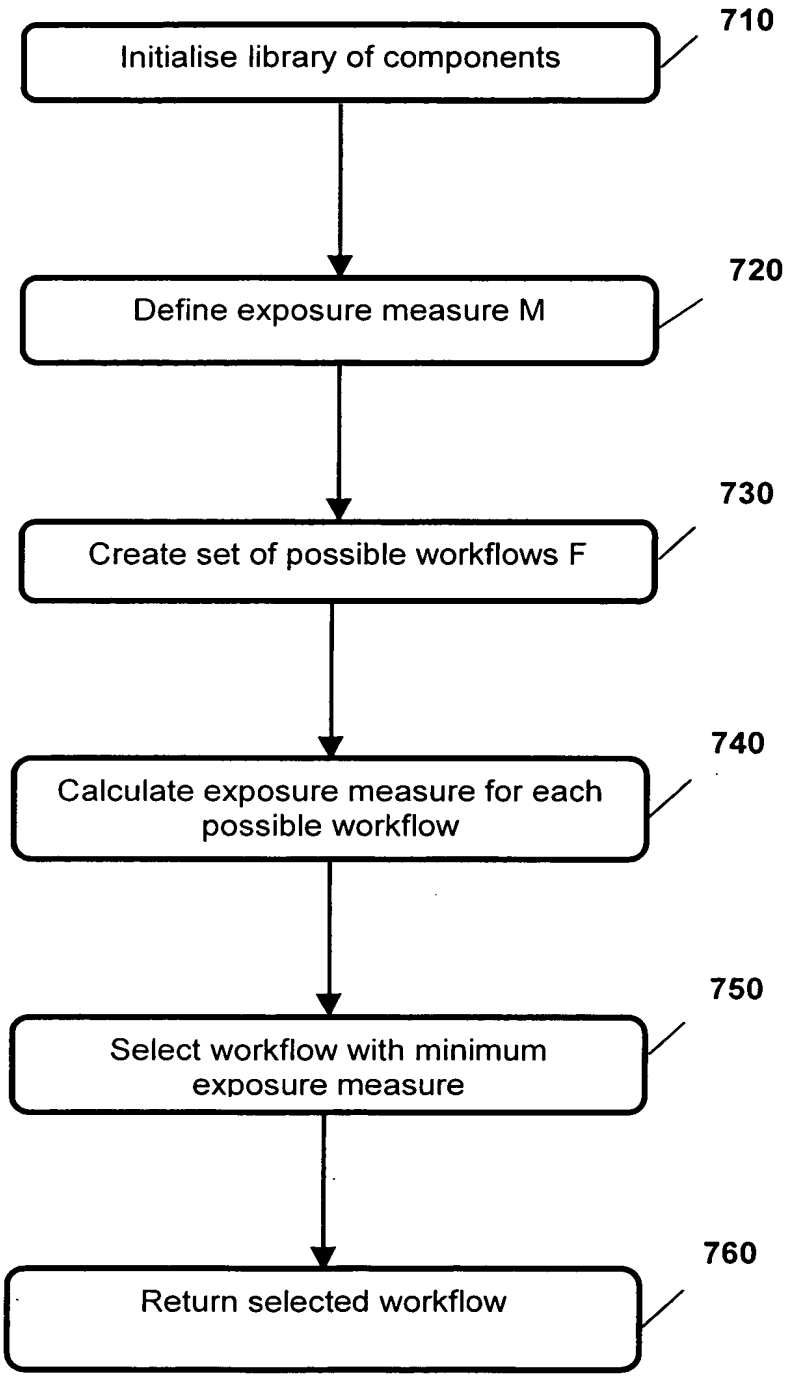

Initialise library of components
710
Define exposure measure M
720
Create set of possible workflows F
730
Calculate exposure measure for each possible workflow
740
Select workflow with minimum exposure measure
750
Return selected workflow
760

FIG. 7

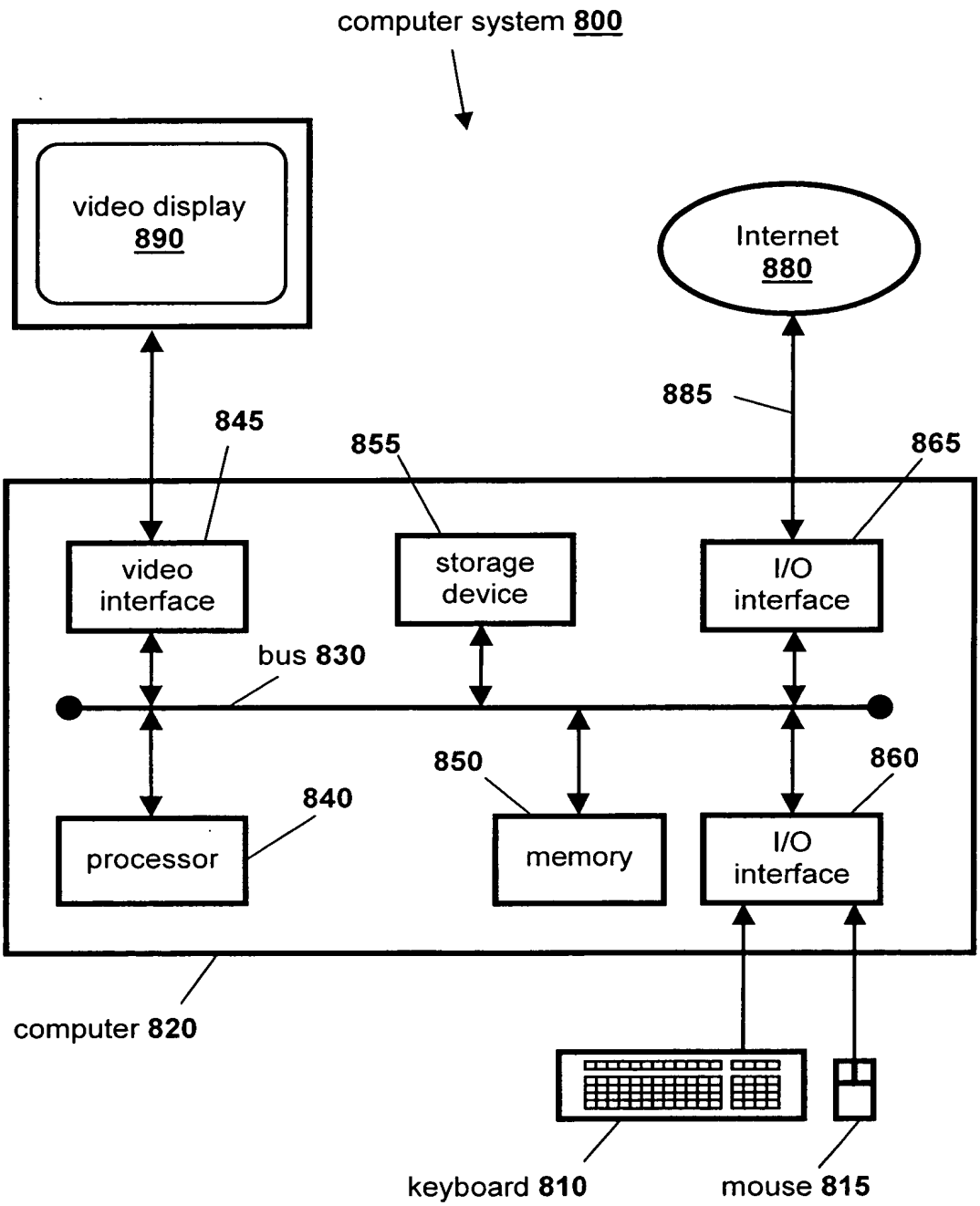

computer system 800
video display 890
Internet 880
885
845
855
865
video interface
storage device
I/O interface
bus 830
850
860
840
processor
memory
I/O interface
computer 820
keyboard 810
mouse 815

FIG. 8